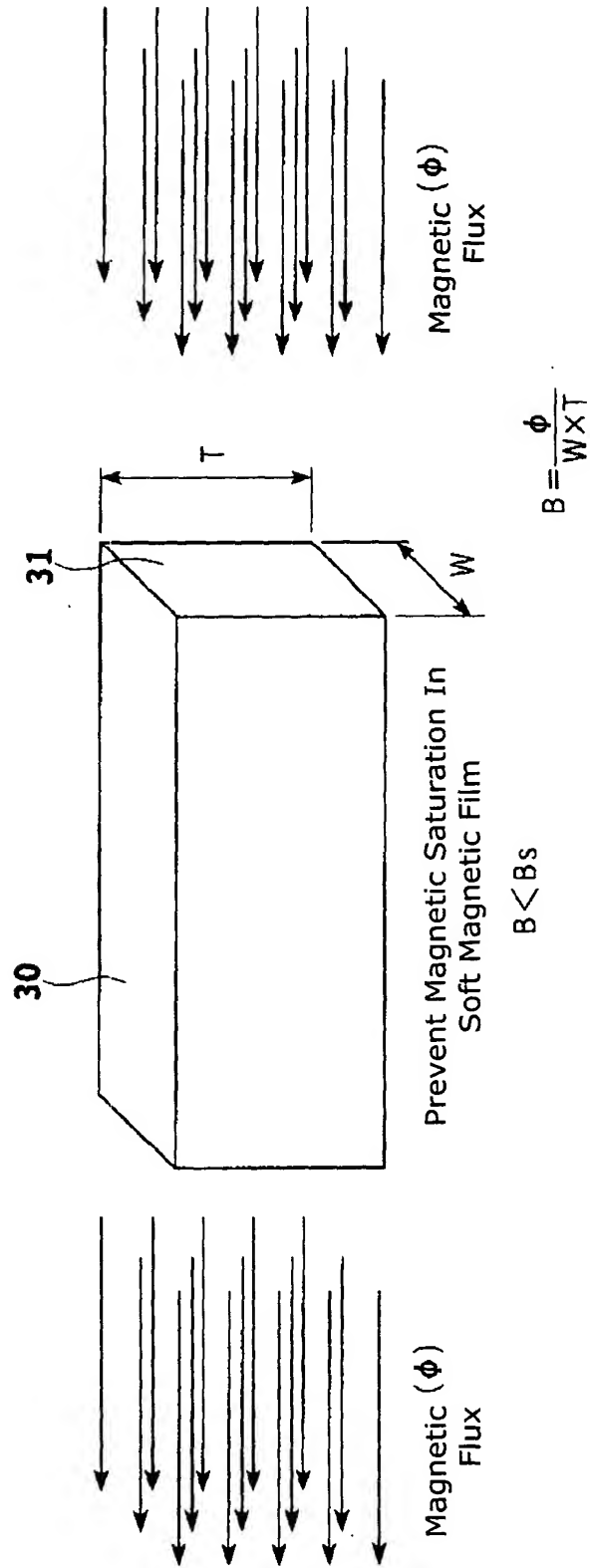
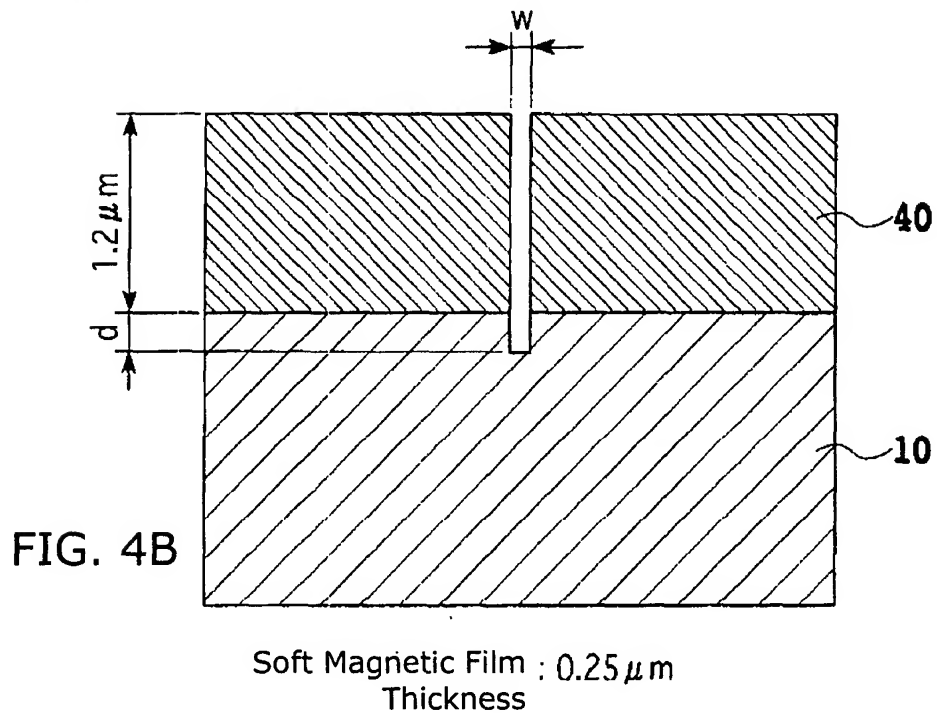
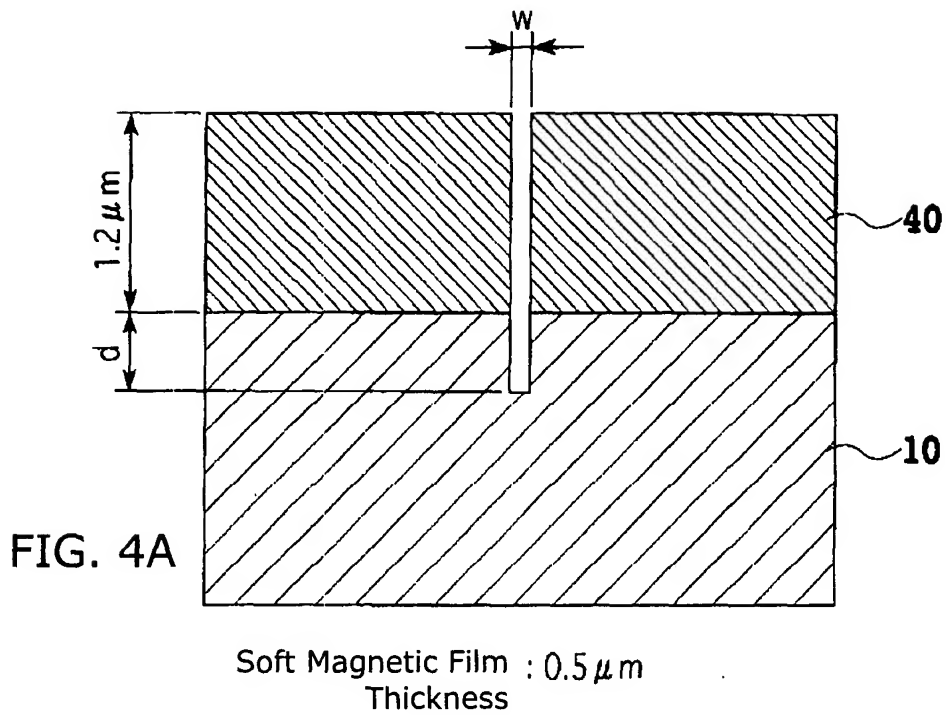
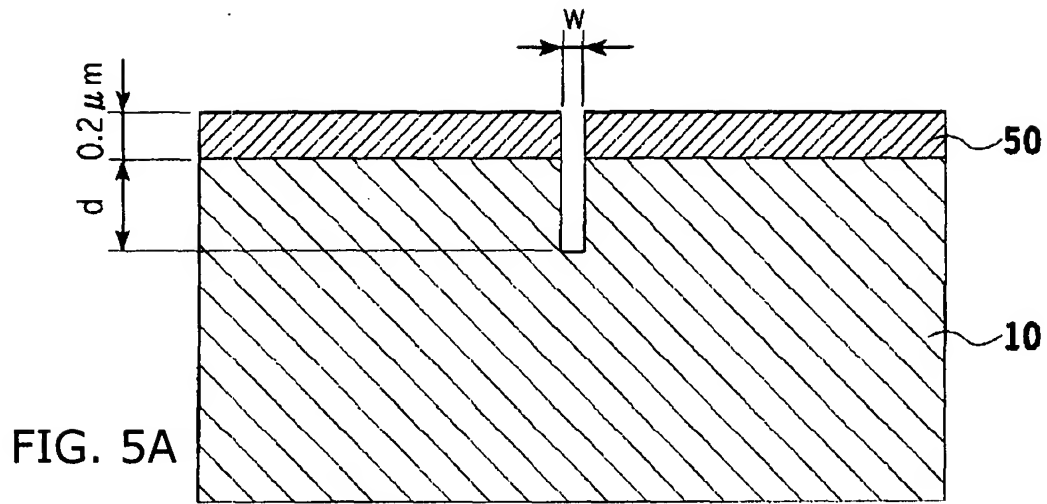


FIG. 2

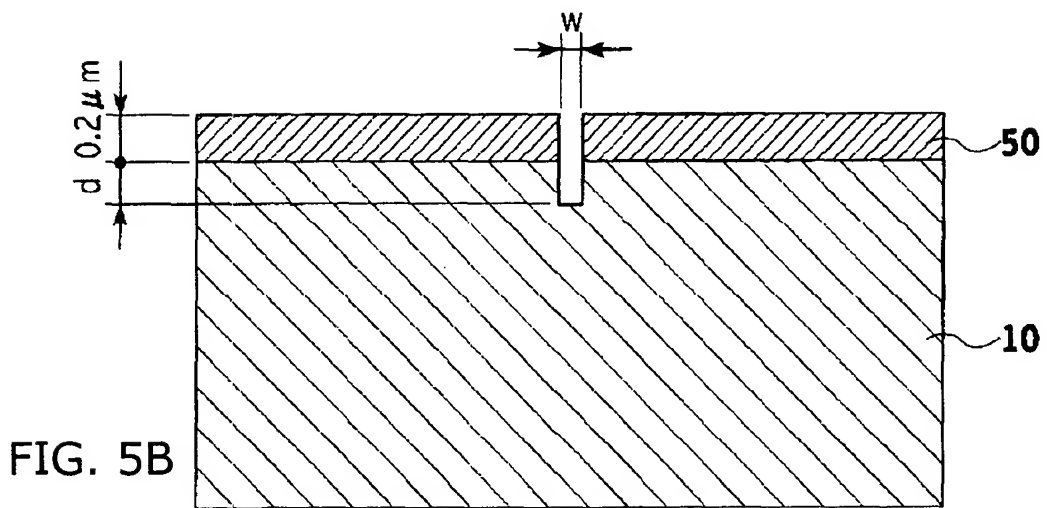
FIG. 3







Soft Magnetic Film : 0.5  $\mu\text{m}$   
Thickness



Soft Magnetic Film : 0.25  $\mu\text{m}$   
Thickness

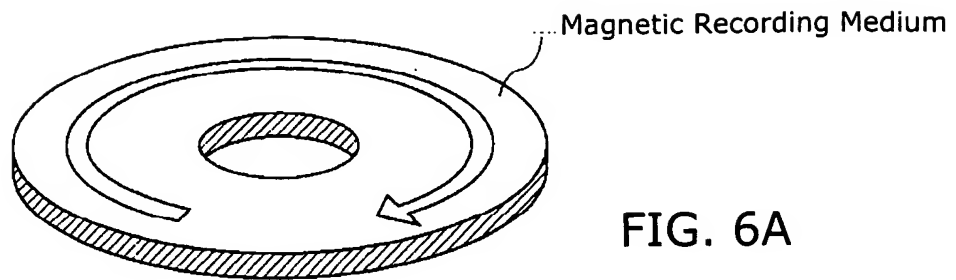


FIG. 6A

Initial Demagnetizing Step

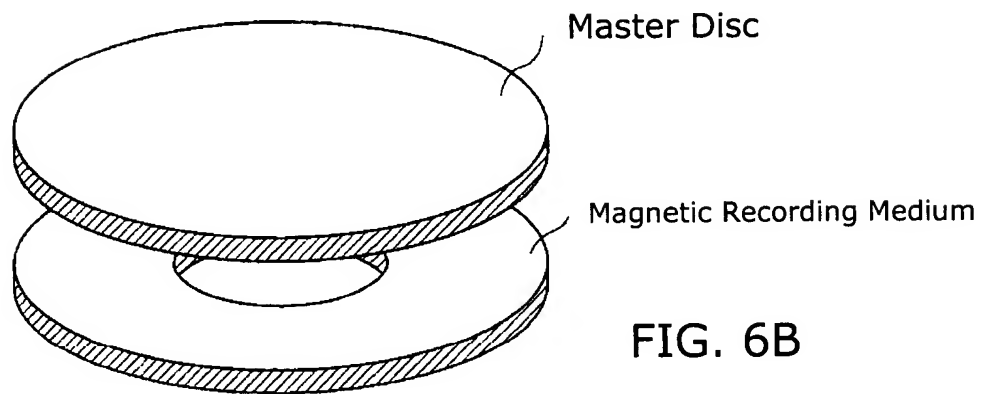


FIG. 6B

Master Positioning Step

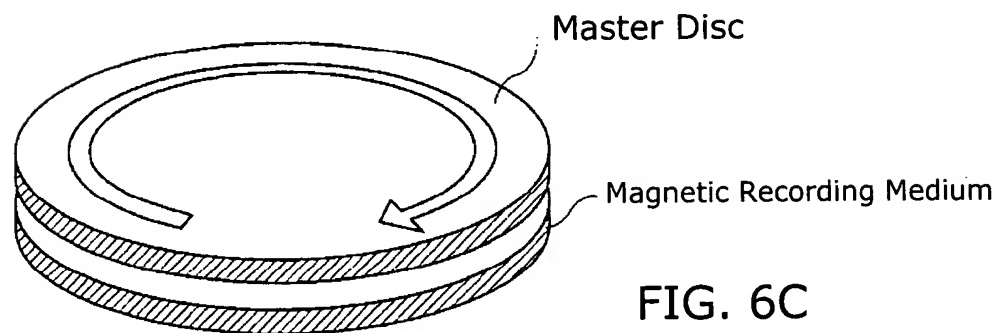


FIG. 6C

Transfer Pattern Writing Step

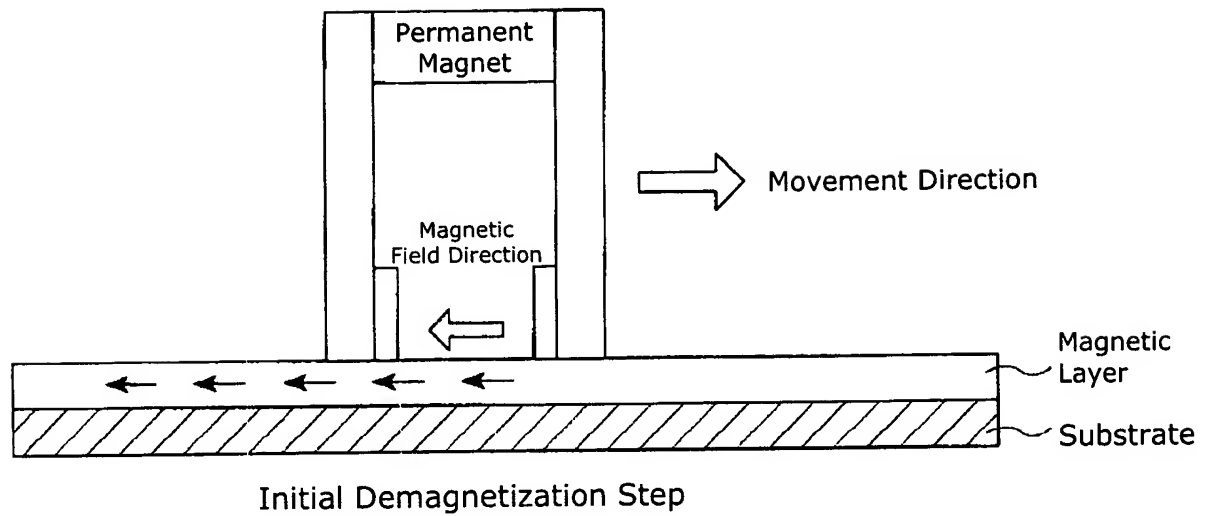


FIG. 7A

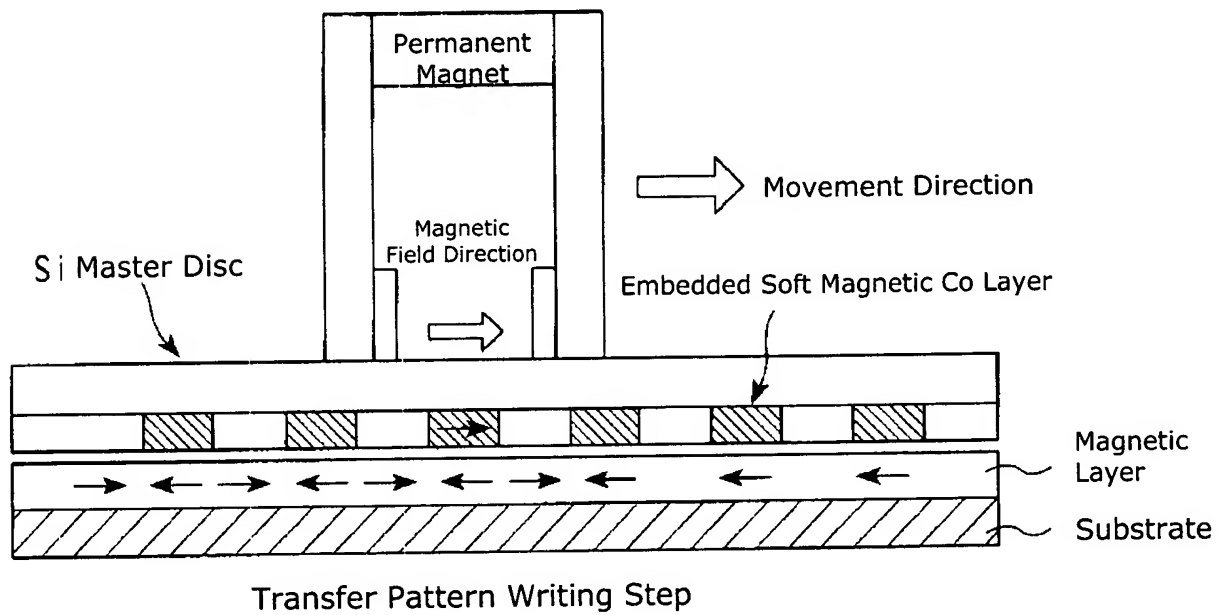


FIG. 7B

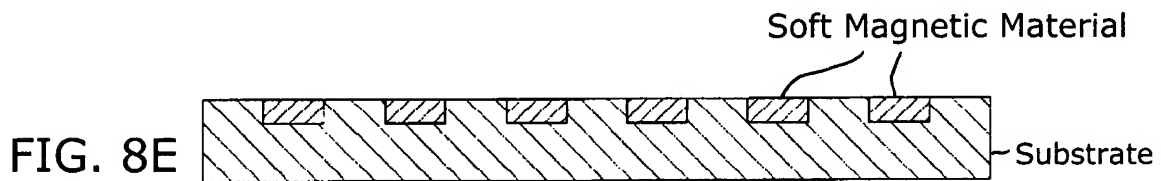
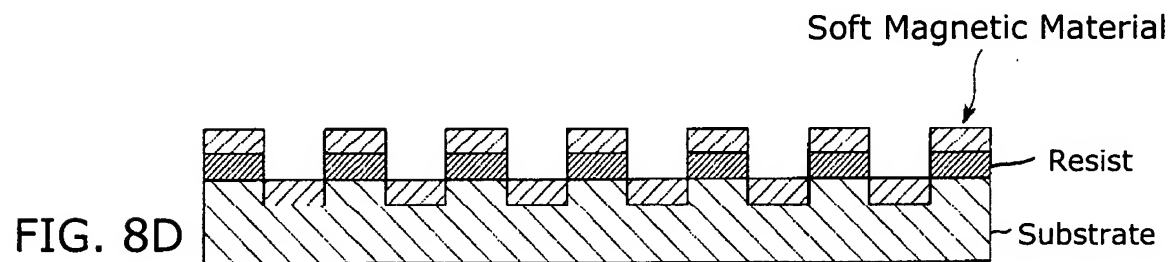
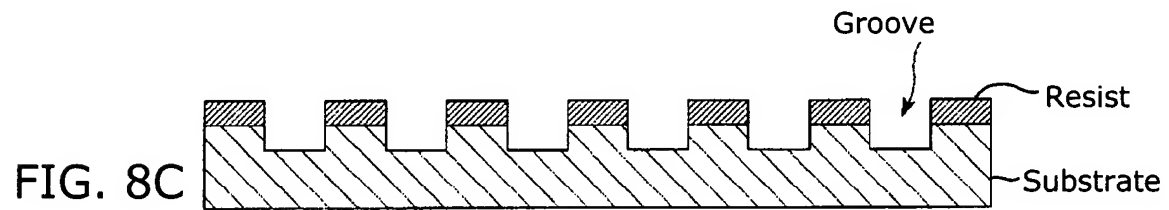
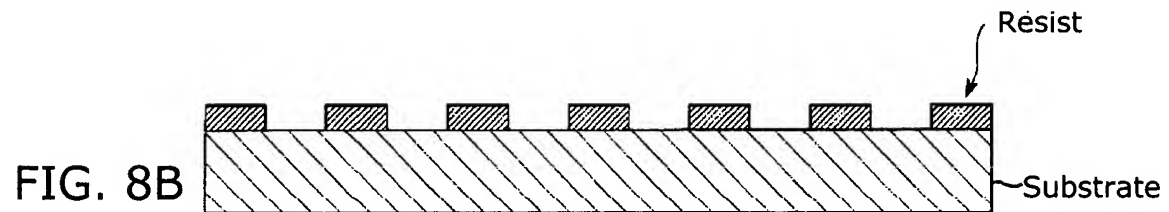
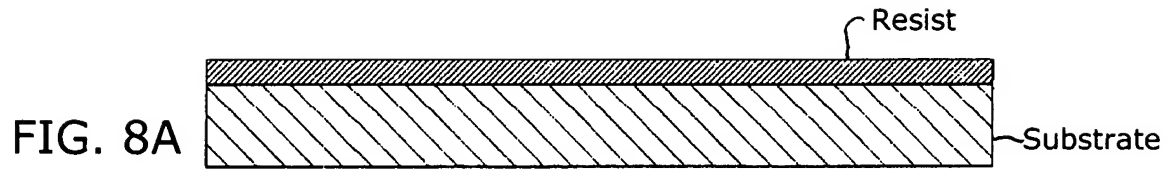




FIG. 9A

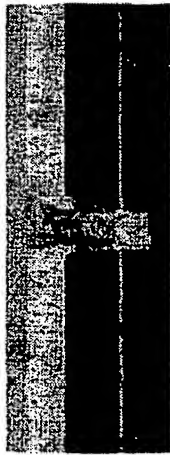


FIG. 9B

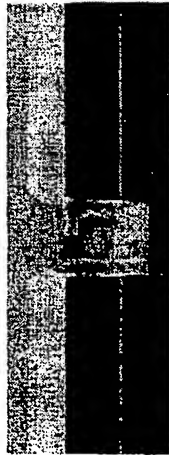


FIG. 9C



FIG. 9D



FIG. 9E

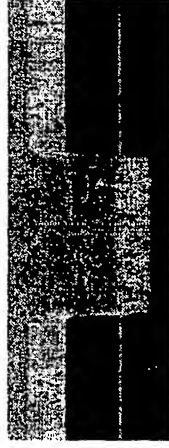


FIG. 9F

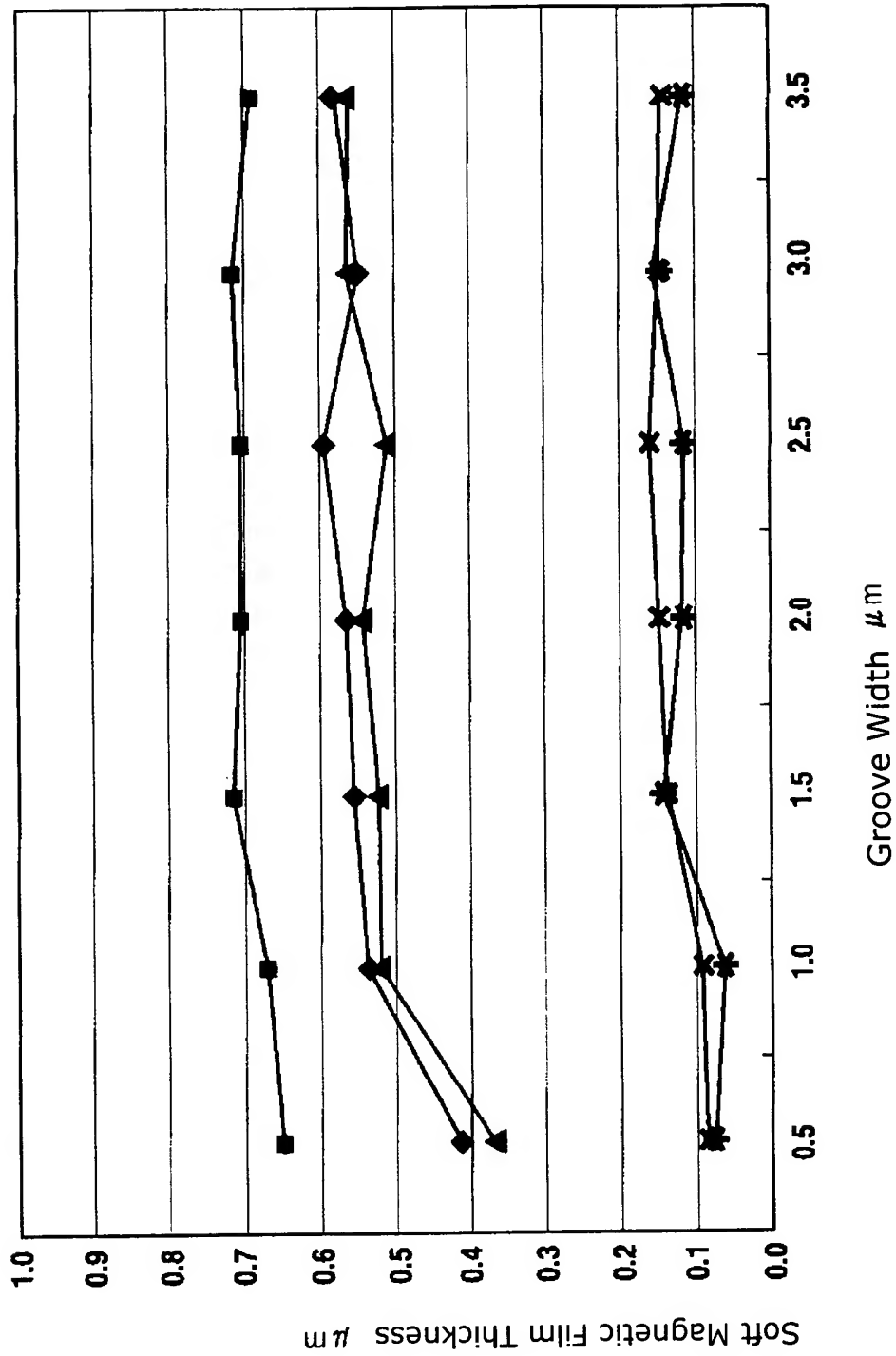


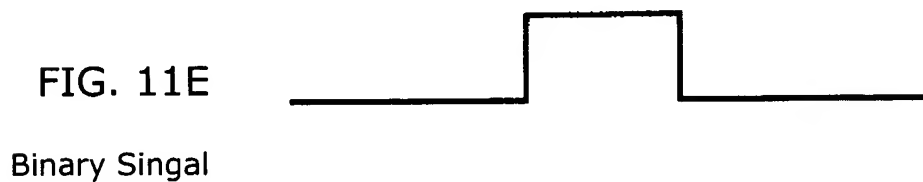
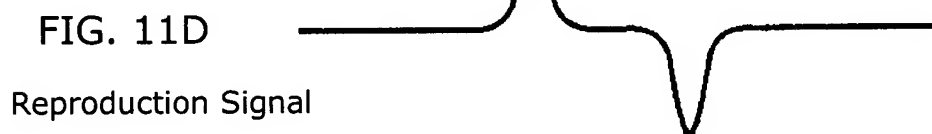
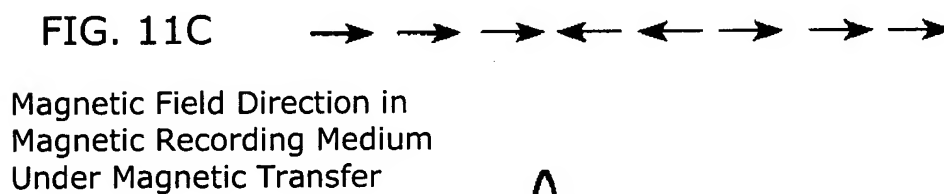
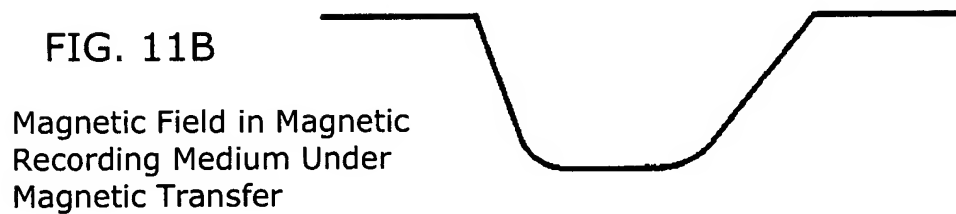
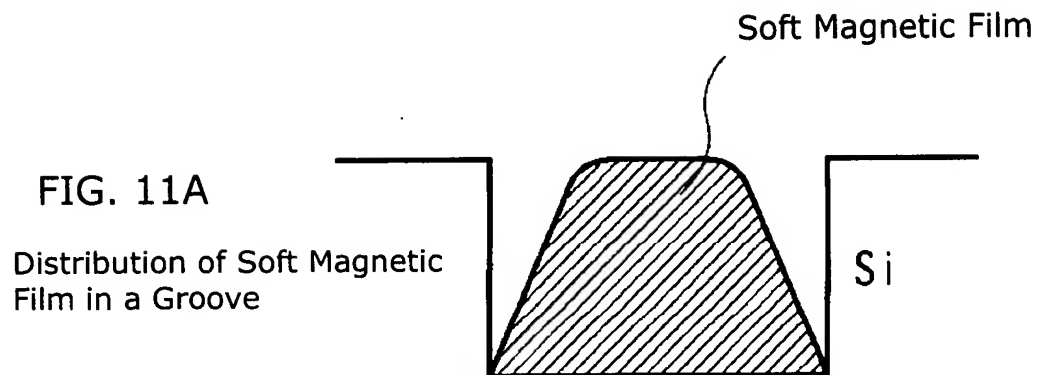
Soft Magnetic Layer  
Resist Layer  
Substrate

FIG. 9G



FIG. 10





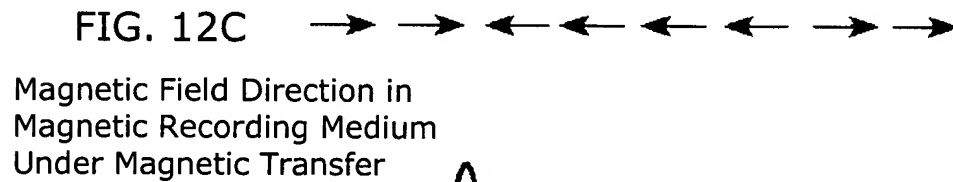
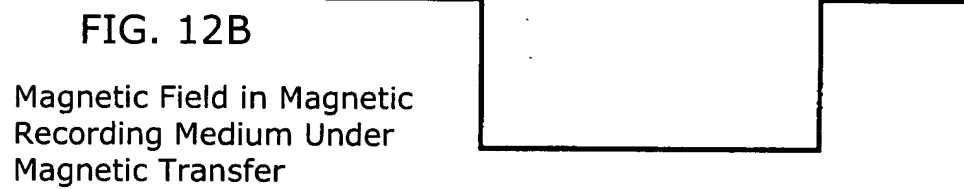
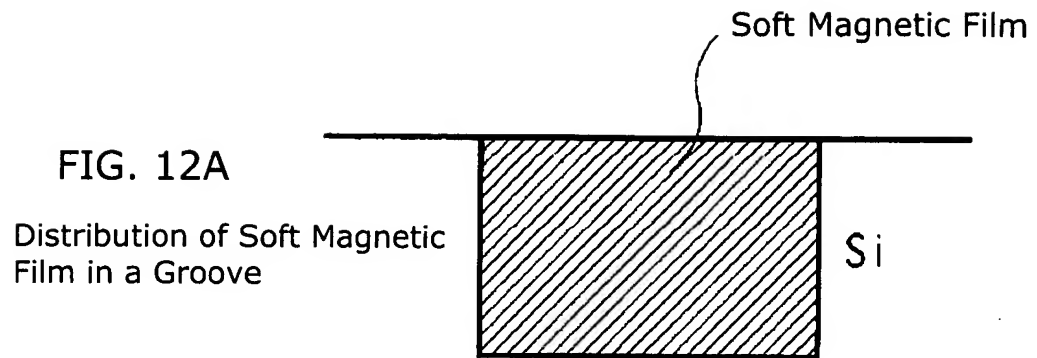


FIG. 13A  
Distribution of Soft Magnetic  
Film in a Groove



FIG. 13B  
Magnetic Field in Magnetic  
Recording Medium Under  
Magnetic Transfer



FIG. 13C  
Magnetic Field Direction in  
Magnetic Recording Medium  
Under Magnetic Transfer

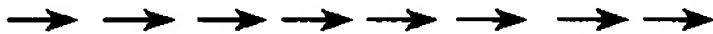


FIG. 13D  
Reproduction Signal



FIG. 13E  
Binary Singal



FIG. 14A

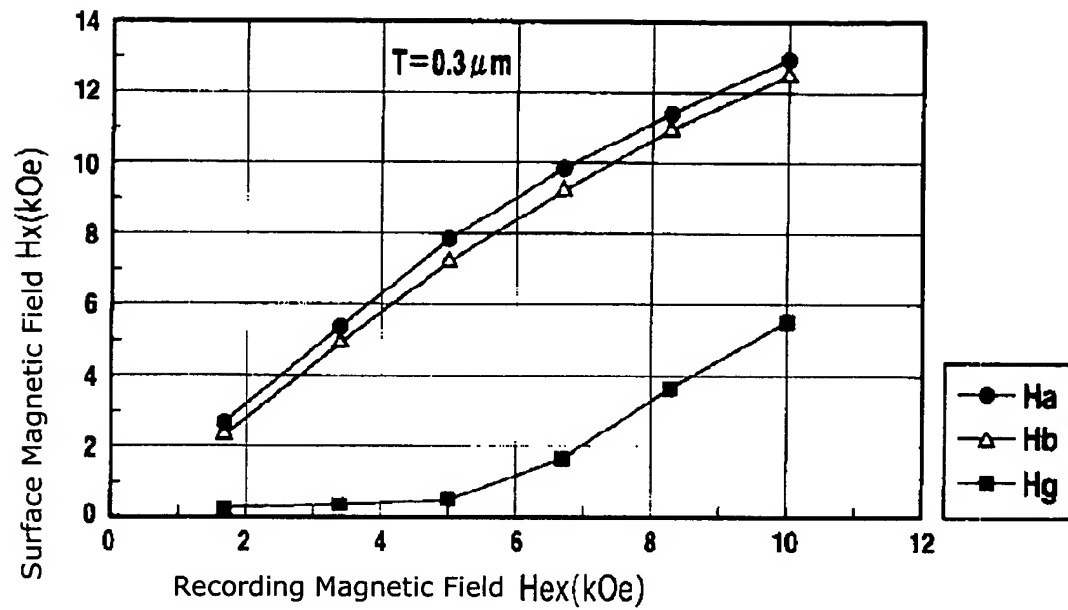
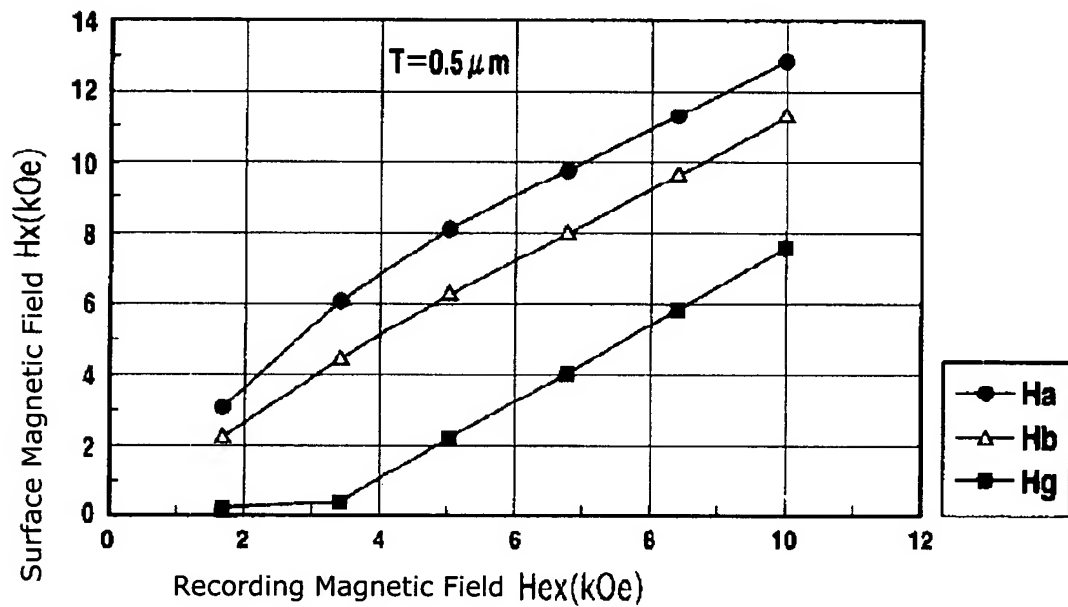


FIG. 14B



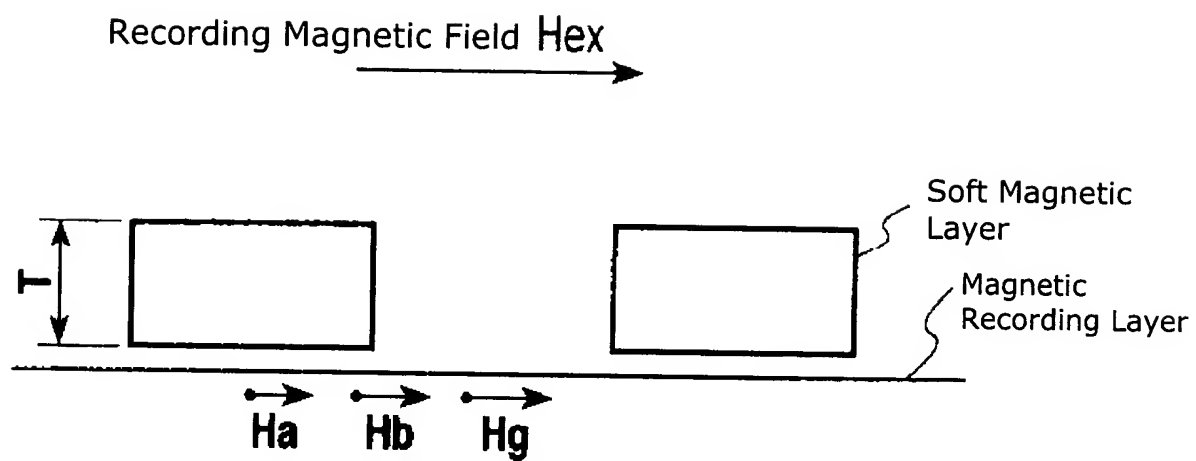


FIG. 15